Khashayar Khorasani

List of Publications by Year
in descending order

325 papers	8,128 citations	47006 47 h-index	69250 77 g-index
338 all docs	338 docs citations	338 times ranked	4994 citing authors

#	Article	IF	Citations
1	An integral manifold approach to the feedback control of flexible joint robots. IEEE Journal of Robotics and Automation, 1987, 3, 291-300.	2.2	400
2	Deep Convolutional Neural Networks and Learning ECG Features for Screening Paroxysmal Atrial Fibrillation Patients. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2095-2104.	9.3	268
3	A Recurrent Neural-Network-Based Sensor and Actuator Fault Detection and Isolation for Nonlinear Systems With Application to the Satellite's Attitude Control Subsystem. IEEE Transactions on Neural Networks, 2009, 20, 45-60.	4.2	196
4	Multi-agent team cooperation: A game theory approach. Automatica, 2009, 45, 2205-2213.	5.0	192
5	Dynamic neural network-based fault diagnosis of gas turbine engines. Neurocomputing, 2014, 125, 153-165.	5.9	182
6	Facial Expression Recognition Using Constructive Feedforward Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1588-1595.	5.0	181
7	Failure Prognosis and Applicationsâ€"A Survey of Recent Literature. IEEE Transactions on Reliability, 2021, 70, 728-748.	4.6	176
8	Simultaneous fault detection and consensus control design for a network of multi-agent systems. Automatica, 2016, 66, 185-194.	5.0	174
9	Optimal consensus algorithms for cooperative team of agents subject to partial information. Automatica, 2008, 44, 2766-2777.	5.0	171
10	Actuator Fault Detection and Isolation for a Network of Unmanned Vehicles. IEEE Transactions on Automatic Control, 2009, 54, 835-840.	5.7	171
11	Sensor Fault Detection, Isolation, and Identification Using Multiple-Model-Based Hybrid Kalman Filter for Gas Turbine Engines. IEEE Transactions on Control Systems Technology, 2016, 24, 1184-1200.	5.2	166
12	<inline-formula> <tex-math notation="TeX">H_{infty}</tex-math></inline-formula> Consensus Achievement of Multi-Agent Systems With Directed and Switching Topology Networks. IEEE Transactions on Automatic Control, 2014, 59, 3104-3109.	5.7	135
13	Distributed Fault Detection and Isolation Filter Design for a Network of Heterogeneous Multiagent Systems. IEEE Transactions on Control Systems Technology, 2014, 22, 1061-1069.	5.2	131
14	Fault Detection and Isolation of discrete-time Markovian jump linear systems with application to a network of multi-agent systems having imperfect communication channels. Automatica, 2009, 45, 2032-2040.	5.0	128
15	Fault detection and isolation of a dual spool gas turbine engine using dynamic neural networks and multiple model approach. Information Sciences, 2014, 259, 234-251.	6.9	121
16	Team Consensus for a Network of Unmanned Vehicles in Presence of Actuator Faults. IEEE Transactions on Control Systems Technology, 2010, 18, 1155-1161.	5.2	116
17	An ensemble of dynamic neural network identifiers for fault detection and isolation of gas turbine engines. Neural Networks, 2016, 76, 106-121.	5.9	116
18	Constructive Feedforward Neural Networks Using Hermite Polynomial Activation Functions. IEEE Transactions on Neural Networks, 2005, 16, 821-833.	4.2	108

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19	Fault detection and isolation of gas turbine engines using a bank of neural networks. Journal of Process Control, 2015, 36, 22-41.	3.3	104
20	New training strategies for constructive neural networks with application to regression problems. Neural Networks, 2004, 17, 589-609.	5.9	102
21	Parameter Estimation-Based Fault Detection, Isolation and Recovery for Nonlinear Satellite Models. IEEE Transactions on Control Systems Technology, 2008, 16, 799-808.	5.2	101
22	An Adaptive Structure Neural Networks with Application to EEG Automatic Seizure Detection. Neural Networks, 1996, 9, 1223-1240.	5.9	96
23	Application of a radial basis function (RBF) neural network for fault diagnosis in a HVDC system. IEEE Transactions on Power Systems, 1998, 13, 177-183.	6.5	89
24	A Multiple Model-Based Approach for Fault Diagnosis of Jet Engines. IEEE Transactions on Control Systems Technology, 2013, 21, 254-262.	5.2	86
25	A Neural Network-Based Multiplicative Actuator Fault Detection and Isolation of Nonlinear Systems. IEEE Transactions on Control Systems Technology, 2013, 21, 842-851.	5.2	77
26	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	76
27	An integral manifold approach for tip-position tracking of flexible multi-link manipulators. IEEE Transactions on Automation Science and Engineering, 1997, 13, 823-837.	2.3	73
28	Adaptive time delay neural network structures for nonlinear system identification. Neurocomputing, 2002, 47, 207-240.	5.9	70
29	Optimal Consensus Seeking in a Network of Multiagent Systems: An LMI Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 540-547.	5.0	70
30	End-point control of a flexible-link manipulator: theory and experiments. IEEE Transactions on Control Systems Technology, 1997, 5, 556-570.	5.2	69
31	Stochastic Analysis of the FXLMS-Based Narrowband Active Noise Control System. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 1000-1014.	3.2	69
32	Robust fault detection and isolation of time-delay systems using a geometric approach. Automatica, 2009, 45, 1567-1573.	5.0	67
33	A New Fault Diagnosis of Multifunctional Spoiler System Using Integrated Artificial Neural Network and Discrete Wavelet Transform Methods. IEEE Sensors Journal, 2018, 18, 4990-5001.	4.7	67
34	A neural-network-based controller for a single-link flexible manipulator using the inverse dynamics approach. IEEE Transactions on Industrial Electronics, 2001, 48, 1074-1086.	7.9	66
35	A new strategy for adaptively constructing multilayer feedforward neural networks. Neurocomputing, 2003, 51, 361-385.	5.9	66
36	Event-Triggered Multiobjective Control and Fault Diagnosis: A Unified Framework. IEEE Transactions on Industrial Informatics, 2017, 13, 298-311.	11.3	66

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37	Neural network based control schemes for flexible-link manipulators: simulations and experiments. Neural Networks, 1998, 11, 1357-1377.	5.9	65
38	Data-driven fault detection, isolation and estimation of aircraft gas turbine engine actuator and sensors. Mechanical Systems and Signal Processing, 2018, 100, 415-438.	8.0	64
39	Dynamic neural networks for gas turbine engine degradation prediction, health monitoring and prognosis. Neural Computing and Applications, 2016, 27, 2157-2192.	5.6	63
40	Hybrid multi-mode machine learning-based fault diagnosis strategies with application to aircraft gas turbine engines. Neural Networks, 2020, 130, 126-142.	5.9	63
41	A Geometric Approach to Fault Detection and Isolation of Continuous-Time Markovian Jump Linear Systems. IEEE Transactions on Automatic Control, 2010, 55, 1343-1357.	5.7	60
42	A New Robust Narrowband Active Noise Control System in the Presence of Frequency Mismatch. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 2189-2200.	3.2	59
43	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	58
44	A data-driven approach to actuator and sensor fault detection, isolation and estimation in discrete-time linear systems. Automatica, 2017, 85, 165-178.	5.0	57
45	Fault Diagnosis of Nonlinear Systems Using a Hybrid Approach. Lecture Notes in Control and Information Sciences, 2009, , .	1.0	56
46	Actuator fault accommodation strategy for a team of multi-agent systems subject to switching topology. Automatica, 2015, 62, 200-207.	5.0	56
47	An inverse dynamics control strategy for tip position tracking of flexible multi-link manipulators. Journal of Field Robotics, 1997, 14, 649-658.	0.7	54
48	Fault recovery of an under-actuated quadrotor Aerial Vehicle. , 2010, , .		51
49	Multiple-Model Sensor and Components Fault Diagnosis in Gas Turbine Engines Using Autoassociative Neural Networks. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	49
50	Fault Detection and Isolation. , 2011, , .		48
51	Modeling and Control of Linear Two-time Scale Systems: Applied to Single-Link Flexible Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 45, 235-265.	3.4	45
52	A Hybrid Fault Detection and Isolation Strategy for a Network of Unmanned Vehicles in Presence of Large Environmental Disturbances. IEEE Transactions on Control Systems Technology, 2010, , .	5.2	42
53	Hierarchical Fault Diagnosis and Fuzzy Rule-Based Reasoning for Satellites Formation Flight. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2435-2456.	4.7	39
54	A Hierarchical Architecture for Cooperative Actuator Fault Estimation and Accommodation of Formation Flying Satellites in Deep Space. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1428-1450.	4.7	39

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55	Control of non-minimum phase singularly perturbed systems with application to flexible-link manipulators. International Journal of Control, 1996, 63, 679-701.	1.9	37
56	Distributed and cooperative quaternion-based attitude synchronization and tracking control for a network of heterogeneous spacecraft formation flying mission. Journal of the Franklin Institute, 2015, 352, 3885-3913.	3.4	37
57	A Distributed Control Reconfiguration and Accommodation for Consensus Achievement of Multiagent Systems Subject to Actuator Faults. IEEE Transactions on Control Systems Technology, 2016, 24, 2031-2047.	5.2	37
58	Prognosis and Health Monitoring of Nonlinear Systems Using a Hybrid Scheme Through Integration of PFs and Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1990-2004.	9.3	37
59	Optimal hybrid fault recovery in a team of unmanned aerial vehicles. Automatica, 2012, 48, 410-418.	5.0	36
60	A distributed model predictive control (MPC) fault reconfiguration strategy for formation flying satellites. International Journal of Control, 2016, 89, 960-983.	1.9	36
61	An optimal cooperation in a team of agents subject to partial information. International Journal of Control, 2009, 82, 571-583.	1.9	35
62	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using relative measurements. International Journal of Control, 2011, 84, 876-894.	1.9	35
63	Hybrid fault diagnosis of nonlinear systems using neural parameter estimators. Neural Networks, 2014, 50, 12-32.	5.9	35
64	A New Fault Prognosis of MFS System Using Integrated Extended Kalman Filter and Bayesian Method. IEEE Transactions on Industrial Informatics, 2018, , 1-1.	11.3	35
65	Fault Detection and Isolation of Distributed Time-Delay Systems. IEEE Transactions on Automatic Control, 2009, 54, 2680-2685.	5.7	34
66	Control of a flexible-joint robot using neural networks. IEEE Transactions on Control Systems Technology, 1997, 5, 453-462.	5.2	33
67	Identification of a two-link flexible manipulator using adaptive time delay neural networks. IEEE Transactions on Systems, Man, and Cybernetics, 2000, 30, 165-172.	5.0	33
68	Robust observer-based fault diagnosis for an unmanned aerial vehicle. , 2011, , .		32
69	An <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml5" display="inline" overflow="scroll" altimg="si5.gif"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â̌</mml:mi></mml:mrow></mml cooperative fault recovery control of multi-agent systems. Automatica, 2017, 84, 101-108.	5.0	31
70	Constrained distributed cooperative synchronization and reconfigurable control of heterogeneous networked Eulerâ€"Lagrange multi-agent systems. Information Sciences, 2016, 370-371, 578-597.	6.9	30
71	A Negative Selection Immune System Inspired Methodology for Fault Diagnosis of Wind Turbines. IEEE Transactions on Cybernetics, 2017, 47, 3799-3813.	9.5	30
72	A pulsed plasma thruster fault detection and isolation strategy for formation flying of satellites. Applied Soft Computing Journal, 2010, 10, 746-758.	7.2	28

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73	Hierarchical Fault Diagnosis and Health Monitoring in Satellites Formation Flight. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 223-239.	2.9	28
74	Distributed Formation Recovery Control of Heterogeneous Multiagent Eulerâ€"Lagrange Systems Subject to Network Switching and Diagnostic Imperfections. IEEE Transactions on Control Systems Technology, 2016, 24, 2158-2166.	5.2	28
75	Computationally intelligent strategies for robust fault detection, isolation, and identification of mobile robots. Neurocomputing, 2016, 171, 335-346.	5.9	28
76	Fault detection and isolation of dissipative parabolic PDEs: Finite-dimensional geometric approach. , 2012, , .		27
77	Cooperative tracking control of Euler-Lagrange systems with switching communication network topologies. , 2010, , .		26
78	Switching control of a modified leaderâ€"follower team of agents under the leader and network topological changes. IET Control Theory and Applications, 2011, 5, 1369-1377.	2.1	26
79	Robust sensor fault detection and isolation of gas turbine engines subjected to time-varying parameter uncertainties. Mechanical Systems and Signal Processing, 2016, 76-77, 136-156.	8.0	26
80	Optimal Control and Game Theoretic Approaches to Cooperative Control of a Team of Multi-Vehicle Unmanned Systems. , 2007, , .		25
81	A robust adaptive congestion control strategy for large scale networks with differentiated services traffic. Automatica, 2011, 47, 26-38.	5.0	25
82	A Cyber-Security Methodology for a Cyber-Physical Industrial Control System Testbed. IEEE Access, 2021, 9, 16239-16253.	4.2	25
83	Distributed reconfigurable control strategies for switching topology networked multi-agent systems. ISA Transactions, 2017, 71, 51-67.	5.7	23
84	Semiâ€decentralized nonlinear cooperative control strategies for a network of heterogeneous autonomous underwater vehicles. International Journal of Robust and Nonlinear Control, 2017, 27, 2688-2707.	3.7	23
85	A Dendritic Cell Immune System Inspired Scheme for Sensor Fault Detection and Isolation of Wind Turbines. IEEE Transactions on Industrial Informatics, 2018, 14, 545-555.	11.3	23
86	Application of adaptive constructive neural networks to image compression. IEEE Transactions on Neural Networks, 2002, 13, 1112-1126.	4.2	22
87	A new facial expression recognition technique using 2-D DCT and K-means algorithm. , 0, , .		22
88	Statistical performance of the memoryless nonlinear gradient algorithm for the constrained adaptive IIR notch filter. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1691-1702.	0.1	22
89	Fault Detection and Isolation of Actuator Faults in Spacecraft Formation Flight. , 2006, , .		22
90	Fault Detection and Isolation of Actuator Faults in Overactuated Systems. Proceedings of the American Control Conference, 2007, , .	0.0	22

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91	An inverse dynamics sliding control technique for flexible multi-link manipulators. , 1997, , .		21
92	Interactive Bank of Unscented Kalman Filters for Fault Detection and Isolation in Reaction Wheel Actuators of Satellite Attitude Control System. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	21
93	A distributed Kalman filter for actuator fault estimation of deep space formation flying satellites. , 2009, , .		21
94	Multiple-model based sensor fault diagnosis using hybrid kalman filter approach for nonlinear gas turbine engines. , 2013, , .		21
95	Adaptive formation control of UAVs in the presence of unknown vortex forces and leader commands. , 2006, , .		20
96	A Dual Particle Filter-Based Fault Diagnosis Scheme for Nonlinear Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 1317-1334.	5.2	20
97	Feature leaning with deep Convolutional Neural Networks for screening patients with paroxysmal atrial fibrillation. , 2016, , .		19
98	Investigation into an artificial neural network based on-line current controller for an HVDC transmission link. IEEE Transactions on Power Systems, 1997, 12, 1425-1431.	6.5	18
99	A Robust Distributed Congestion-Control Strategy for Differentiated-Services Network. IEEE Transactions on Industrial Electronics, 2009, 56, 608-617.	7.9	18
100	Fault Detection and Isolation of Linear Impulsive Systems. IEEE Transactions on Automatic Control, 2011, 56, 1905-1910.	5.7	18
101	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using absolute measurements. IET Control Theory and Applications, 2012, 6, 2805-2819.	2.1	18
102	Dynamic neural network-based estimator for fault diagnosis in reaction wheel actuator of satellite attitude control system. , 0, , .		17
103	Fault detection and diagnosis for satellite's attitude control system (ACS) using an interactive multiple model (IMM) approach. , 0, , .		17
104	Fault Detection and Isolation in a redundant reaction wheels configuration of a satellite. , 2007, , .		17
105	A robust semiâ€decentralized fault detection strategy for multiâ€agent systems. International Journal of Intelligent Unmanned Systems, 2013, 1, 21-35.	1.0	17
106	Fault detection and isolation of the attitude control subsystem of spacecraft formation flying using extended Kalman filters. International Journal of Control, 2015, 88, 2154-2179.	1.9	17
107	Geometric fault detection and isolation of two-dimensional (2D) systems. , 2013, , .		16
108	Simultaneous fault detection and control design for a network of multi-agent systems. , 2014, , .		16

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109	On linearization of nonlinear singularity perturbed systems. IEEE Transactions on Automatic Control, 1987, 32, 256-260.	5.7	15
110	Control of a flexible-link manipulator. , 0, , .		15
111	Tracking control of a flexible-link manipulator using neural networks: experimental results. Robotica, 2002, 20, 417-427.	1.9	15
112	A novel HÎ± control strategy for design of a robust dynamic routing algorithm in traffic networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 706-718.	14.0	15
113	Inverse dynamics control of flexible-link manipulators using neural networks. , 0, , .		14
114	A Dynamic Neural Network-based Reaction Wheel Fault Diagnosis for Satellites. , 2006, , .		14
115	A fault detection, isolation and reconstruction strategy for a satellite&#x2019;s attitude control subsystem with redundant reaction wheels. , 2007, , .		14
116	Analysis of actuator faults in a cooperative team consensus of unmanned systems. , 2009, , .		14
117	Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach. , 2010, , .		14
118	State Synchronization of Networked Euler-Lagrange Systems with Switching Communication Topologies Subject to Actuator Faults. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8766-8773.	0.4	14
119	A hybrid prognosis and health monitoring strategy by integrating particle filters and neural networks for gas turbine engines. , 2015, , .		14
120	Cooperative Optimal Synchronization of Networked Uncertain Nonlinear Eulerâ€"Lagrange Heterogeneous Multi-Agent Systems With Switching Topologies. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	14
121	Fault detection and isolation of two-dimensional (2D) systems. Systems and Control Letters, 2017, 99, 25-32.	2.3	14
122	Model predictive and non-cooperative dynamic game fault recovery control strategies for a network of unmanned underwater vehicles. International Journal of Control, 2019, 92, 489-517.	1.9	14
123	Optimal cooperation in a modified leader-follower team of agents with partial availability of leader command. , 2007, , .		13
124	Fault Diagnosis of Gas Turbine Engines by Using Dynamic Neural Networks. , 2010, , .		13
125	Multi-agent methodology for distributed and cooperative supervisory estimation subject to unreliable information. IET Control Theory and Applications, 2011, 5, 606-621.	2.1	13
126	Reconfigurable cooperative control of networked lagrangian systems under actuator saturation constraints. IET Control Theory and Applications, 2012, 6, 578.	2.1	13

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127	Distributed Event-Triggered Consensus-Based Control of DC Microgrids in Presence of DoS Cyber Attacks. IEEE Access, 2021, 9, 54009-54021.	4.2	13
128	Dynamic Neural Network-Based Fault Detection and Isolation for Thrusters in Formation Flying of Satellites. Lecture Notes in Computer Science, 2009, , 780-793.	1.3	13
129	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of an Unmanned Space Vehicle. , 2006, , .		12
130	Robust feedback linearization-based congestion control using a fluid flow model. , 2006, , .		12
131	Fault detection and isolation for uncertain nonlinear systems with application to a satellite reaction wheel actuator. , 2007, , .		12
132	A Hierarchical architecture for cooperative fault accommodation of formation flying satellites in deep space. , 2009, , .		12
133	Networked Estimation of Relative Sensing Multiagent Systems Using Reconfigurable Sets of Subobservers. IEEE Transactions on Control Systems Technology, 2014, 22, 2188-2204.	5.2	12
134	Event-triggered fault detection, isolation and control design of linear systems. , 2015, , .		12
135	An observer-based inverse dynamics control strategy for flexible multi-link manipulators. , 0, , .		11
136	Identification of a class of nonlinear systems using dynamic neural network structures. , 0, , .		11
137	An indirect adaptive control for fully feedback linearizable discrete-time non-linear systems. International Journal of Adaptive Control and Signal Processing, 1997, 11, 665-680.	4.1	11
138	Neural network based fault diagnosis in an HVDC system. , 0, , .		11
139	A Dynamic Neural Network-based Reaction Wheel Fault Diagnosis for Satellites. , 0, , .		11
140	Intelligent and learning-based approaches for health monitoring and fault diagnosis of RADARSAT-1 attitude control system. , 2007, , .		11
141	A game theory approach to multi-agent team cooperation. , 2009, , .		11
142	Hybrid fault detection and isolation strategy for non-linear systems in the presence of large environmental disturbances. IET Control Theory and Applications, 2010, 4, 2879-2895.	2.1	11
143	A novel distributed robust fault detection and isolation filter design for a network of nonhomogeneous multi-agent systems. , 2012, , .		11
144	Networked Estimation of Multi‐Agent Systems Subject to Faults and Unreliable Information. Asian Journal of Control, 2015, 17, 1347-1364.	3.0	11

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145	A single dynamic observer-based module for design of simultaneous fault detection, isolation and tracking control scheme. International Journal of Control, 2018, 91, 508-523.	1.9	11
146	Ensemble Kalman Filters for State Estimation and Prediction of Two-Time Scale Nonlinear Systems With Application to Gas Turbine Engines. IEEE Transactions on Control Systems Technology, 2019, 27, 2565-2573.	5.2	11
147	Robust stabilization of non-linear systems with unmodelled dynamics. International Journal of Control, 1989, 50, 827-844.	1.9	10
148	A Neural Net Controller for Flexible-Joint Manipulators. , 1990, , .		10
149	Tip position tracking of flexible multi-link manipulators: An integral manifold approach. , 0, , .		10
150	A decentralized indirect adaptive control for a class of two-time-scale nonlinear systems with application to flexible-joint manipulators. IEEE Transactions on Industrial Electronics, 1999, 46, 1019-1029.	7.9	10
151	State Estimation of the Vinyl Acetate Reactor Using Unscented Kalman Filters (UKF). , 0, , .		10
152	Fault detection and diagnosis for reaction wheels of satellite's attitude control system using a bank of kalman filters. , 0, , .		10
153	A neural network-based actuator gain Fault Detection and Isolation strategy for nonlinear systems. , 2007, , .		10
154	Semi-Decentralized Optimal Control Technique for a Leader-Follower Team of Unmanned Systems with Partial Availability of the Leader Command. , 2007, , .		10
155	A geometric approach to robust Fault Detection and Isolation of discrete-time Markovian jump systems. , 2008, , .		10
156	An LMI approach to optimal consensus seeking in multi-agent systems. , 2009, , .		10
157	Velocity synchronization of networked Euler-Lagrange systems with switching network topologies subject to actuator faults. , 2010, , .		10
158	Reconfigurable Synchronization Control of Networked <scp>E</scp>uler‐<scp>L</scp>agrange Systems with Switching Communication Topologies. Asian Journal of Control, 2014, 16, 830-844.	3.0	10
159	A novel particle filter parameter prediction scheme for failure prognosis. , 2014, , .		10
160	An improved particle filtering-based approach for health prediction and prognosis of nonlinear systems. Journal of the Franklin Institute, 2018, 355, 3753-3794.	3.4	10
161	Feedback control of two-time-scale block implemented discrete-time systems. IEEE Transactions on Automatic Control, 1987, 32, 69-73.	5.7	9
162	Adaptive friction compensation using a Lyapunov-based design scheme. , 0, , .		9

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163	A Filtered-X RLS Based Narrowband Active Noise Control System in the Presence of Frequency Mismatch. , 0, , .		9
164	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of a Satellite. , 2006, , .		9
165	Fault detection of gas turbine engines using dynamic neural networks. , 2012, , .		9
166	An H<inf>&#x221E;</inf> consensus achievement for LTI multi-agent systems with directed fixed networks. , 2012, , .		9
167	Determination of Security Index for Linear Cyber-Physical Systems Subject to Malicious Cyber Attacks. , 2019, , .		9
168	Statistical analysis of narrowband active noise control using a simplified variable step-size FXLMS algorithm. Signal Processing, 2021, 183, 108012.	3.7	9
169	Neural network-based controllers for voltage source PWM front end rectifiers. , 0, , .		8
170	Nonlinear system identification using embedded dynamic neural networks. , 0, , .		8
171	A hybrid architecture for diagnosis in hybrid systems with applications to spacecraft propulsion system. , 2007, , .		8
172	A Sliding Mode-based congestion control for time delayed differentiated-services networks. , 2007, , .		8
173	Generalized fault recovery of an under-actuated quadrotor aerial vehicle. , 2012, , .		8
174	Modeling aircraft jet engine and system identification by using Genetic Programming. , 2012, , .		8
175	Verification and Validation of Hierarchical Fault Diagnosis in Satellites Formation Flight. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1384-1399.	2.9	8
176	A distributed control strategy for connectivity preservation of multi-agent systems subject to actuator saturation. , 2013, , .		8
177	Robust cooperative control reconfiguration/recovery in multi-agent systems. , 2014, , .		8
178	Cost performance based control reconfiguration in multi-agent systems. , 2014, , .		8
179	Stochastic fault and cyber-attack detection and consensus control in multi-agent systems. International Journal of Control, 2022, 95, 2379-2397.	1.9	8
180	Experimental evaluation of neural network based controllers for tracking the tip position of a flexible-link manipulator. , 0, , .		7

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181	Experimental results on tracking control of a flexible-link manipulator: a new output re-definition approach. , 0, , .		7
182	Fault Diagnosis of Linear Singularly Perturbed Systems. , 0, , .		7
183	Detection ofactuator faults using a dynamic neural network for the attitude control subsystem of a satellite. , 0, , .		7
184	Nonlinear Geometric Approach to Fault Detection and Isolation in an Aircraft Nonlinear Longitudinal Model. Proceedings of the American Control Conference, 2007, , .	0.0	7
185	Reconfigurable control of networked nonlinear Euler-Lagrange systems subject to fault diagnostic imperfections. , 2011, , .		7
186	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach. , 2011, , .		7
187	Simultaneous fault detection and control design for an autonomous unmanned underwater vehicle. , 2013, , .		7
188	Particle filtering for state and parameter estimation in gas turbine engine fault diagnostics. , 2013, , .		7
189	A robust fault detection scheme with an application to mobile robots by using adaptive thresholds generated with locally linear models. , 2013, , .		7
190	Fault Detection and Diagnosis. Lecture Notes in Control and Information Sciences, 2009, , 21-49.	1.0	7
191	Optimization of an actuated flexible arm for improved control properties. , 0, , .		6
192	A New Facial Expression Recognition Technique using 2-D DCT and Neural Networks Based Decision Tree. , 2006, , .		6
193	Fault Diagnosis of an Actuator in the Attitude Control Subsystem of a Satellite using Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	6
194	Semi-Decentralized Optimal Control of a Cooperative Team of Agents. , 2007, , .		6
195	A geometric approach to Fault Detection and Isolation of neutral time-delay systems. , 2008, , .		6
196	Fault diagnosis and recovery from structural failures (icing) in unmanned aerial vehicles. , 2009, , .		6
197	A sub-optimal distributed Kalman filter with fusion feedback for acyclic systems. , 2009, , .		6
198	Unobservability Subspaces For Continuous-time Markovian Jump Systems with Application to Fault Diagnosis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 953-958.	0.4	6

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199	Cooperative actuator fault accommodation of formation flying vehicles with absolute measurements. , 2010, , .		6
200	Actuator fault accommodation strategy for a team of LTI multi-agent systems. , 2014, , .		6
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